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AIR

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JUST <u>22</u>	NEXT REV <u>2010</u>	AUTH: HR 70-2

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~~SECRET~~

: Chief

ATTN:

: Chief, KRRICOT

INFO:

: ~~ASIAATIE~~ / Operational

: Leaflet Rocket

REFERENCE: dated 9 Nov 79

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1. The leaflet rocket presently under development by KRRICOT will have two ranges, 1000 and 3000 meters. Because of the present design which utilizes multiple motor tubes, it is not difficult to make a two ranged version. The present design has six motor tubes - all of which are used for the maximum range while only three motor tubes are ignited for the minimum range. The angle of launch is constant at 45° and the same height of burst can be maintained with the utilization of the appropriate time delay. This technique is favored over varying the angle of launch to obtain maximum and minimum ranges because field personnel will not be required to employ a sighting device. Varying the angle of launch to obtain several ranges, such as is done with mortars, complicates the operation because several time delays would be needed or the height of burst would vary. The goals of the present design are simplicity of construction, ease of operation, and low cost. This design will most likely fulfill those goals by minimizing parts, therefore reducing costs, and minimizing the number of operations required in the field to prepare the rocket for use.

2. The propellant now being used is smokeless and burns out in 0.2 seconds. The rocket travels through its trajectory on momentum; therefore it does not leave a visible trail.

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3. The recommendations on ranges are appreciated, and if [Redacted] has further questions they will promptly be answered. [Redacted] will keep [Redacted] informed of changes in project status.

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9 December 1955

Dissemination:

3
3

[Redacted]

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- 1 - RI
- 1 - EE
- 1 - TSS/HRB
- 1 - SIS through AC/TSS/TA
- ✓ 1 - TSS/ED project file
- 1 - ED chrono
- 1 - TAD file

DD/P/TSS/ED, [Redacted]

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AC/TSS/R&D

Releasing officer

Coordinating officer

~~SECRET~~

[Redacted]

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Authenticating officer

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